



Practitioner's Docket No. MPI04-002OMNIM

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:	Maria A. Glucksmann, et al.		
Application No.:	10/782,695	Group No.:	1646
Filed:	February 19, 2004	Examiner:	Jiang, Dong
For:	NOVEL 14275, 54420, 8797, 27439, 68730, 69112 AND 52908 MOLECULES AND USES THEREFOR		

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**

1. The information disclosure statement submitted herewith is being filed:  
☒ Within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

**OR**

☐ **After** three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but **before** the mailing date of either:

- (1) a final action under Section 1.113,
- (2) a notice of allowance under Section 1.311, or
- (3) an action that otherwise closes prosecution in the application

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**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

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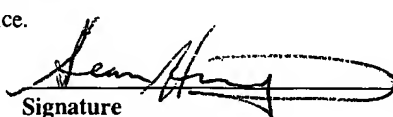
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**37 C.F.R. SECTION 1.10\***

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Sean Hunziker

(type or print name of person certifying)

Date: July 20, 2006

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whichever occurs first.

☐ Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).

☐ Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).

☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).

**FEE PAYMENT**

2. ☐ The fee due is set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c) (\$180.00).

☒ Applicant believes no fee is due in connection with this submission.

Fee due \$0.00

**METHOD OF PAYMENT OF FEE**

3. ☐ Attached is a check in the amount of \$ \_\_\_\_\_ .  
☐ Charge Account No. 501668 in the amount of \$0.00 .  
☐ A duplicate of this request is attached.

If any additional fees are due, please charge Account 501668.

July 20, 2006

MILLENNIUM PHARMACEUTICALS, INC.

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**INFORMATION DISCLOSURE STATEMENT**

**List of Sections Forming Part of This Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements;
2. ☒ Form PTO/SB/08A and Form PTO/SB/08B (substitute for Form PTO-1449) (5 pages);
3. ☒ Copy of Form PTO-892 – Part of Paper No. 12 as cited in parent application Serial No. 09/945,254 (1 page);
5. ☒ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted (Citation Nos. N, U as Cited in Form PTO-892, Citation Nos. A1, A2-A16, B1-B9, B15-B17, C1-C5 as Cited in Forms PTO/SB/08A and PTO/SB/08B);
6. ☒ Identification of Person(s) Making This Information Disclosure Statement

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**Preliminary statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Identification of Prior Application in Which Listed Information Was Already Cited  
and for Which No Copies Are Submitted or Need Be Submitted**

This application relies, under 35 U.S.C. section 120, on the earlier filing date of prior application Serial No. 09/945,254, filed on August 31, 2001.

The cited references (N, U) in Form PTO-892 – Part of Paper No. 12, and ( A1, A2-A16, B1-B9, B15-B17, C1-C5) in forms PTO/SB/08A and PTO/SB/08B were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application. However, the undersigned will provide additional copies upon request.

July 20, 2006

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/782,695
		Filing Date	February 19, 2004
		First Named Inventor	Maria A. Glucksmann, et al.
		Group Art Unit	1646
		Examiner Name	Jiang, Dong
Sheet 1 of 3	Attorney Docket Number	MPI04-002OMNIM	

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	A2	GU, J., et al., "BM Homo Sapiens cDNA Clone BMFAUC07 5', mRNA Sequence," Created October 19, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AV758454.	
	A3	XU, X., et al., "DCB Homo Sapiens cDNA Clone DCBALF01 5', mRNA Sequence," Created October 11, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AV714678.	
	A4	STRAUSBERG, ROBERT, "NIH_MGC_89 Homo Sapiens cDNA Clone IMAGE: 4414526 5' mRNA Sequence," Created February 12, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. BG249800.	
	A5	XU, X., et al., "DCB Homo Sapiens cDNA Clone DCBAWH06 5', mRNA Sequence," Created October 11, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AV714776.	
	A6	DIAS NETO, E., et al., "RC2-CT0320-060200-017-e11 CT0320 Homo Sapiens cDNA, mRNA Sequence," Created May 19, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AW857691.	
	A7	STRAUSBERG, ROBERT, "602667860F1 NIH_MGC_60 Homo Sapiens cDNA Clone IMAGE: 4807718 5' mRNA Sequence," Created April 24, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. BG778739.	
	A8	STRAUSBERG, ROBERT, "602571324F1 NIH_MGC_77 Homo Sapiens cDNA Clone IMAGE: 4695796 5' mRNA Sequence," Created April 2, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. BG542104.	
	A9	HEDGE, P., et al., "EST369130 MAGE Resequences, MAGD Homo Sapiens cDNA, mRNA Sequence," Created June 1, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AW957060.	
	A10	STRAUSBERG, ROBERT, "7d27a05.x1 NCI CGAP_Pr28 Homo Sapiens cDNA Clone IMAGE: 3248432 3' mRNA Sequence," Created September 8, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. BE672260.	
	A11	STRAUSBERG, ROBERT, "602303992F1 NIH_MGC_88 Homo Sapiens cDNA Clone IMAGE: 4395335 5' mRNA Sequence," Created January 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. BF980807.	

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		Filing Date	February 19, 2004		
		First Named Inventor	Maria A. Glucksmann, et al.		
		Group Art Unit	1646		
		Examiner Name	Jiang, Dong		
Sheet	2	of	3	Attorney Docket Number	MPI04-002OMNIM

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	A12	TOGAYACHI, A., et al., "Homo Sapiens Beta3GnT5 mRNA for Beta1, 3-N-Acetylglucosaminyltransferase 5, Complete Cds," June 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AB045278.	
	A13	ZHOU, D., et al., "Homo Sapiens Beta 1,3 -N-Acetylglucosaminyltransferase Lc3 Synthase mRNA, Complete Cds," August 7, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AF368169.	
	A14	TOGAYACHI, A., et al., "Rattus Norvegicus Beta3GnT5 mRNA for Beta1, 3-N-Acetylglucosaminyltransferase 5, Partial Cds," June 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AB045279.	
	A15	BAKER, K.P., et al., "Sequence 511 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AX079767.	
	A16	BAKER, K.P., et al., "Sequence 507 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AX079763.	
	B1	BAKER, K.P., et al., "Sequence 474 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AX079730.	
	B2	HUDSON, T., "Human STS WI-13813, Sequence Tagged Site," May 31, 1996, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. G23534.	
	B3	JACOBS, K., et al., "EST Clone IJ1220," October 15, 1998, <i>The Derwent GENESEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. V88980.	
	B4	JACOBS, K., et al., "Human Secreted Expressed Sequence Tag SEQ ID No: 1663" April 20, 2000, <i>The Derwent GENESEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. A45088.	

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PTO/SB/08B (10-96)

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		Group Art Unit	1646		
		Examiner Name	Jiang, Dong		
Sheet	3	of	3	Attorney Docket Number	MPI04-002OMNIM

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	B5	MATSUBARA, K., et al., "Human Gene Signature HUMGS06027" June 1, 1995, <i>The Derwent GENESEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. T24045.	
	B6	JACOBS, K., et al., "Human Secreted Expressed Sequence Tag SEQ ID No: 682" April 20, 2000, <i>The Derwent GENESEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. A41942.	
	B7	BRETON, C., et al., "Structure/Function Studies of Glycosyltransferases," <i>Curr. Opin. Struc. Biol.</i> , Vol. 9, pp. 563-71 (1999).	
	B8	CROUT, D.H.G., et al., "Glycosidases and Glycosyl Transferases in Glycoside and Oligosaccharide Synthesis," <i>Curr. Chem. Biol.</i> , Vol. 2, pp. 98-111 (1998).	
	B9	DIAS NETO, E., et al., "Shotgun Sequencing of the Human Transcriptome with ORF Expressed Sequence Tags," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 97(7), pp. 3491-6 (March 28, 2000).	

Examiner Signature		Date Considered	

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LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Rachel Meyers et al.</b>	
		FILING DATE <b>August 31, 2001</b>	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

	C1	Henion, T. R. et al., "Cloning of a Mouse beta 1,3 N-Acetylglucosaminyltransferase GlcNAc(beta 1,3)Gal(beta 1,4)Glc-ceramide Synthase Gene Encoding the Key Regulator of Lacto-series Glycolipid Biosynthesis," <i>J. Biol. Chem.</i> 2001 Aug 10;276(32):30261-9
	C2	Imperiali, B. et al., "Effect of N-linked glycosylation on glycopeptide and glycoprotein structure," <i>Curr. Opin. Chem. Biol.</i> , 3:643-49 (1999)
	C3	Qasba, P.K., "Structural glycobiology section," <a href="http://www-lmmb.ncifcrf.gov/~qasba/golgiresidence.html">http://www-lmmb.ncifcrf.gov/~qasba/golgiresidence.html</a> retrieved from the Internet on 8/29/00
	C4	Togayachi, A. et al., "Molecular cloning and characterization of UDP-GlcNAc:lactosyl-ceramide beta 1,3-N-acetylglucosaminyltransferase (beta 3Gn-T5), an essential enzyme for the expression of HNK-1 and Lewis X epitopes on glycolipids," <i>J. Biol. Chem.</i> 2001 Jun 22;276(25):22032-40
	C5	Watt, G.M. et al., "Enzyme-catalyzed formation of glycosidic linkages," <i>Curr. Opin. Struc. Biol.</i> , 7:652-660 (1997)
Examiner		Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

# **Notice of References Cited**

Application/Control No.

09/945,254

Applicant(s)/Patent Under  
Reexamination  
MEYERS ET AL.

Examiner

Manjunath N. Rao, Ph.D.

Art Unit

1652

Page 1 of 1

## **U.S. PATENT DOCUMENTS**

* Document Number	Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-			
B	US-			
C	US-			
D	US-			
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## **FOREIGN PATENT DOCUMENTS**

* Document Number	Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	WO 01/44479 A1	12-2000	PCT	Conklin et al.	---
O					
P					
Q					
R					
S					
T					

## **NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Conklin et al. GenSeq Accession No. AAE04752, 9-10-01.
	V	
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

*mm*  
*4/12/03*